

CERTIFICATE OF MAILING

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1-28-02

Date of Deposit

Marc V. Richards, Reg. No. 37,921Name of Applicant, Assignee or
Registered RepresentativeMarc V. Richards

Signature

1-28-02

Date of Signature

Our Case No.: 6340/20

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Barry Freel et al.

Serial No.: Applied for

Filing Date: January 28, 2002

For: Novel Natural Resin Formulations

Examiner: N/A

Group Art Unit No.: N/A

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed below and on the attached Form PTO-1449 be considered by the Examiner and made of record.

The references now cited are the following:

U.S. Patent Documents

| Document No. | Date | Inventor |
|--------------|---------|-----------------|
| 1,598,547 | 08/1926 | Barbet |
| 3,762,989 | 10/1973 | Timpe |
| 4,029,617 | 06/1977 | Dhein et al. |
| 4,139,500 | 02/1979 | Rudolphy |
| 4,209,647 | 06/1980 | Gallivan et al. |
| 4,233,465 | 11/1980 | Gallivan et al. |
| 4,673,460 | 06/1987 | Raff |
| 4,942,269 | 07/1990 | Chum et al. |
| 5,034,498 | 07/1991 | Himmelblau |
| 5,115,084 | 05/1992 | Himmelblau |
| 5,235,021 | 08/1993 | Chum et al. |
| 5,405,932 | 04/1995 | Bender et al. |
| 5,698,668 | 12/1997 | Bender |
| 5,708,078 | 01/1998 | Bender et al. |
| 5,792,340 | 08/1998 | Freel et al. |

Foreign Patent Documents

| DOCUMENT NUMBER | DATE | COUNTRY |
|-----------------|---------|---------|
| 2 228 418 | 07/1999 | Canada |

Other Art

Dr. S. Scott, "Chemicals and Fuels from Biomass Flash Pyrolysis - Part of the Bioenergy Development Program (BDP)," February 1988 (pp. vii, ix, x, xi, 87-97);

T. Sellers, Jr., "Technical And Market Opportunities For Glued Wood Products," Adhesives Age, May 31, 1996 (pp. 6-9);

D. Andrew Himmelblau, "Production of Wood Composite Adhesives With Air-Blown, Fluidized-Bed Pyrolysis Oil," circa 1998.

H. Pakdel, et al. "Phenolic Compounds from Vacuum Pyrolysis of Biomass," Bio-oil Production & Utilization - Proceedings of the 2nd EU-Canada Workshop on Thermal Bioenergy, February 1996, (pp. 124-131);

Stephen S. Kelly, et al., "Use of Biomass Pyrolysis Oils for Preparation of Modified Phenol Formaldehyde Resins," Developments in Thermochemical Biomass Conversion, 1st ed., 1997, pp. 557-570.

H. Chum, et al. "Chapter 11 Biomass Pyrolysis Oil Feedstocks for Phenolic Adhesives," Adhesives From Renewable Resources, (1989), pp 135-151;

K. G. Forss et al., "Finnish Plywood, Particleboard, and Fiberboard Made With a Lignin-Base Adhesive," Forest Products Journal, pp. 39-43;

J.T. White, "Wood Adhesives and Binders," Forest Products Journal, Vol. 45, No. 3, March 1995 pp. 21-28;

International Search Report for related application PCT/CA99/00051, mailed June 17, 1999.

Written Opinion for related application PCT/CA99/00051, mailed December 2, 1999.

International Search Report for related application PCT/CA00/00868, mailed October 30, 2000.

Written Opinion for related application PCT/CA00/00868, mailed March 23, 2001.

REMARKS

Applicants advise that this application is related to application 09/627,863, filed July 28, 2000, now abandoned, and to application 09/990,746, filed November 16, 2001, pending.

In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b).

Applicant(s) respectfully request that the listed documents be made of record in
the present case.

Respectfully submitted,



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| FORM PTO-1449 | SERIAL NO. Applied for | CASE NO. 6340/20 |
| LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT | FILING DATE January 28, 2002 | GROUP ART UNIT N/A |
| | (use several sheets if necessary) | |
| APPLICANT(S): Barry Freel et al. | | |

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS/ SUBCLASS | FILING DATE |
|---------------------|--------------------|-----------|---------|--------------------|----------------|
| | A1 | 1,598,547 | 08/1926 | Barbet | |
| | A2 | 3,762,989 | 10/1973 | Timpe | |
| | A3 | 4,029,617 | 06/1977 | Dhein et al. | |
| | A4 | 4,139,500 | 02/1979 | Rudolphy | |
| | A5 | 4,209,647 | 06/1980 | Gallivan et al. | |
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| | A8 | 4,942,269 | 07/1990 | Chum et al. | |
| | A9 | 5,034,498 | 07/1991 | Himmelblau | |
| | A10 | 5,115,084 | 05/1992 | Himmelblau | |
| | A11 | 5,235,021 | 08/1993 | Chum et al. | |
| | A12 | 5,405,932 | 04/1995 | Bender et al. | |
| | A13 | 5,698,668 | 12/1997 | Bender | |
| | A14 | 5,708,078 | 01/1998 | Bender et al. | |
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| | A16 | 2 228 418 | 07/1999 | Canada | |

| EXAMINER INITIAL | OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.) |
|---------------------|---|
| | A17 Dr. S. Scott, "Chemicals and Fuels from Biomass Flash Pyrolysis - Part of the Bioenergy Development Program (BDP)," February 1988 (pp. vii, ix, x, xi, 87-97); |
| | A18 T. Sellers, Jr., "Technical And Market Opportunities For Glued Wood Products," <u>Adhesives Age</u> , May 31, 1996 (pp. 6-9); |
| | A19 D. Andrew Himmelblau, "Production of Wood Composite Adhesives With Air-Blown, Fluidized-Bed Pyrolysis Oil," circa 1998. |
| | A20 H. Pakdel, et al. "Phenolic Compounds from Vacuum Pyrolysis of Biomass," <u>Bio-oil Production & Utilization - Proceedings of the 2nd EU-Canada Workshop on Thermal Bioenergy</u> , February 1996, (pp. 124-131); |
| | A21 Stephen S. Kelly, et al., "Use of Biomass Pyrolysis Oils for Preparation of Modified Phenol Formaldehyde Resins," <u>Developments in Thermochemical Biomass Conversion</u> , 1st ed., 1997, pp. 557-570. |

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| EXAMINER | DATE CONSIDERED |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| FORM PTO-1449 | SERIAL NO. Applied for | CASE NO. 6340/20 |
| LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT | FILING DATE January 28, 2002 | GROUP ART UNIT N/A |
| (use several sheets if necessary) | | APPLICANT(S): Barry Freel et al. |

| EXAMINER INITIAL | OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.) | |
|---------------------|--|---|
| | A22 | H. Chum, et al. "Chapter 11 Biomass Pyrolysis Oil Feedstocks for Phenolic Adhesives," <u>Adhesives From Renewable Resources</u> , (1989), pp 135-151; |
| | A23 | K. G. Forss et al., "Finnish Plywood, Particleboard, and Fiberboard Made With a Lignin-Base Adhesive," <u>Forest Products Journal</u> , pp. 39-43; |
| | A24 | J.T. White, "Wood Adhesives and Binders," <u>Forest Products Journal</u> , Vol. 45, No. 3, March 1995 pp. 21-28; |
| | A25 | International Search Report for related application PCT/CA99/00051, mailed June 17, 1999. |
| | A26 | Written Opinion for related application PCT/CA99/00051, mailed December 2, 1999. |
| | A27 | International Search Report for related application PCT/CA00/00868, mailed October 30, 2000 |
| | A28 | Written Opinion for related application PCT/CA00/00868, mailed March 23, 2001 |

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